

*Sub 34*

providing a wireless telephone handset having a transceiver capable of receiving audio and image data, and a connection port adapted to mate with the connection port of the docking station;

connecting electrically and physically the wireless telephone having a speaker and a microphone in the docking station such that the docking station receives image data from the ; and

*ad con*

operating the display control circuit connected to the transceiver and the matrix display to display an image on the display.

*Sub Ele*

23. The method of displaying an image on a docking station as in Claim 22 further comprising the step of powering the docking station and wireless telephone with a battery carried by the docking station.

24. The method of displaying an image on a docking station as in Claim 22 further comprising the step of providing a camera to provide imaging capability.

25. The method of displaying an image on a docking station as in Claim 24 further comprising the step of selecting whether the image the camera is seen on the display, transmitted to a remote location, or both.

### REMARKS

Claims 1-25 are pending. Claims 7-25 have been added and further define the wireless telephone. No new matter has been added.

The specification has been amended to correct grammatical errors. In addition, the specification has been amended to make the reference number consist with Figure 9B.

An Information Disclosure Statement was mailed on September 26, 1997. A Supplemental Information Disclosure Statement was mailed on August 20, 1998. A Second Supplemental Information Disclosure Statement was mailed on January 7, 1999. The Office Action of March 18, 1999, while noting a different Art Unit from that of the initial Filing Receipt, indicates the receipt of two of the Information Disclosure Statements. However, only a copy of the 1449 Form from August 20, 1998 was enclosed with the Office Action. Please find enclosed a copy of the other two Information Disclosure Statement and 1449 and a copy of the

postcards acknowledging receipt of each of these Information Disclosure Statements. Copies of the references are not being enclosed with these copies at this time. Applicants request acknowledgment of these previously filed Information Disclosure Statements.

Fan is cited in the Office Action for disclosing a telephone docking system comprising a housing.

Claim 1 as amended recites a docking system for a telephone. The docking system has a housing having a connector port that electrically connects to a telephone attached to the housing.

Fan (U.S. Patent No. 5,815,126) does not disclose a telephone handset or a docking station with a display to which a telephone is attached or docketed. Claim 1 is allowable.

Claims 2-6 are dependent on Claim 1 and are allowable, at least, for the reasons cited above. Furthermore, with respect to Claim 6, the undersigned was not able to locate in Fan (U.S. Patent No. 5,815,126) where it is suggested to have a housing having a volume of less than 1000 cm<sup>3</sup>. Furthermore, as indicated above the housing attaches to a telephone.

With respect to Claims 7-16, the claims include the elements that the array have at least 75,00 pixel electrodes had an active area of less than 100 mm<sup>2</sup>. These elements are not suggested by Fan. Claims 7-16 are allowable.

With respect to Claims 17-21, the claims include the limitations of a display module that moves relative to a housing to which the telephone attaches. These elements are not suggested by Fan. Claims 17-21 are allowable.

The method claims, Claim 22-25, recites a method of displaying an image. The method includes the step of connecting the wireless telephone electrically and physically to the docking station. Fan does not suggest connecting a wireless telephone to a docking station having an active matrix liquid crystal display. Claims 22-25 are allowable.

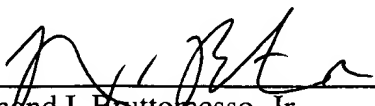
CONCLUSION

In view of the above amendments and remarks, it is believed that all claims (1-25) are in condition for allowance, and it is respectfully requested that the application be passed to issue. If the Examiner feels that a telephone conference would expedite prosecution of this case, the Examiner is invited to call the undersigned at (781) 861-6240.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By

  
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Dated: 18 August 1999



**COPY**

TOH/RIB/bls

KPN96-03A

01-07-99

This is to acknowledge receipt of the following documents each filed under  
Certificate of Mailing Procedure 37 C.F.R. 1.8:

X SECOND SUPPLEMENTAL INFORMATION DISCLOSURE  
STATEMENT

X Form PTO-1449 pp 1 with references as noted in IDS  
     Petition under 37 C.F.R. 1.97(d)(2)

Applicant(s): Jeffrey Jacobsen, John C. C. Fan, Stephen A. Pombo, Matthew  
Zavracky and Rodney Bumgardner

Application No.: 08/766,607

Filed: December 13, 1996

Title: MICRODISPLAY FOR PORTABLE COMMUNICATION SYSTEMS

Date received by the PTO:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jeffrey Jacobsen, John C.C. Fan, Stephen Pombo, Matthew Zavracky, and Rodney Bumgardner

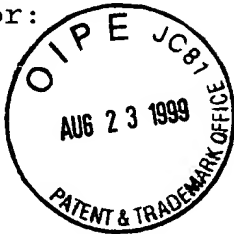
Serial No.: 08/766,607

Group Art Unit: 2609

Filed: December 13, 1996

Examiner:

For: MICRODISPLAY FOR PORTABLE COMMUNICATION SYSTEMS



CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington D.C. 20231	
on <u>9-26-97</u>	<u>[Signature]</u>
Date	Signature
<u>Marianne G. Tarczal</u>	
Typed or printed name of person signing certificate	

**COPY**

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of the national stage in international application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either:
  - ☐ a Certification under 37 CFR 1.97(e), as checked below, or
  - ☐ a \$230.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
  - ☐ a Certification under 37 CFR 1.97(e), as checked below, and
  - ☐ a Petition under 37 CFR 1.97(d)(2), and
  - ☐ a \$130.00 petition fee set forth in 37 CFR 1.17(i).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)
- ☐ Applicant requests that the attached IDS and cited reference(s) \_\_\_\_\_ be placed in the application filewrapper.  
(Filed after payment of issue fee)

08/25/1999 SLUWNS  
00000556 08766607  
240.00 OP  
04 FC:126

Certification Under 37 CFR 1.97(e)

- [ ] Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- [ ] No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Enclosed herewith is form PTO-1449:

- [X] Copies of the cited references are enclosed.
- [ ] Copies of cited references are enclosed except those entered in prior application, U.S. Serial No. \_\_\_\_\_, and references that are not required to be submitted under 37 CFR 1.98.
- [ ] The listed references were cited in the enclosed International Search Report in a counterpart foreign application.

Concise Explanation Requirement (non-English references):

- [X] The "concise explanation" requirement for reference(s) AM2, AM5, AQ6, AL7-AM7, AO7, AO7, AL8-AO8, AL9-AO9, AL10-AO10, AL11-AO11, AL12-AN12 under 37 CFR 1.98(a)(3) is satisfied by the enclosed English language abstract.
- [X] The "concise explanation" requirement for reference(s) AN2, AN3 and AO3 under 37 CFR 1.98(a)(3) is satisfied by the following explanation:

AN2 (EP 526 802 A2) claims priority to the same German Patent Application (DE 4126105) as AJ6 (U.S. Patent No. 5,485,504).

AN3 (EP 626 773 A1) and AO3 (EP 626 773 B1) are from the European Patent Application to which AQ6 (Canada 2,123,461) claims priority.

These related applications and patents are likely to be English language versions for AN2, AN3 and AO3.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- [ ] Enclosed is a check in the amount of \$ \_\_\_\_\_.
- [ ] Please charge Deposit Account 08-0380 in the amount of \$ \_\_\_\_\_.
- [ ] Two duplicate copies of this Statement are enclosed.
- [X] Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

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Dated: September 26, 1997

FORM PTO-1449  
(REV. 7-80)INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

ATTY. DOCKET NO.  
KPN96-03ASERIAL NO.  
08/766,607APPLICANT  
Jacobsen et al.FILING DATE  
December 13, 1996GROUP  
2609

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## U.S. PATENT DOCUMENTS

**COPY**

EXAM- INER- INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE I APPROPRIATE
AA	4,010,322	03-01-77	Harvey C. Nathanson	358	233	
AB	4,258,387	03-24-81	Lemelson et al	358	85	
AC	4,336,524	06-22-82	Alfred B. Levine	340	311.1	
AD	4,573,766	03-04-86	Bournay, Jr. et al.	350	345	
AE	4,630,895	12-23-86	Abdala, Jr. et al.	350	345	
AF	4,636,866	01-13-87	Noboru Hattori	358	236	
AG	4,695,129	09-22-87	Louis M.H. Faessen	350	96.25	
AH	4,704,740	11-03-87	McKee et al.	455	348	
AI	4,814,876	03-21-89	Horio et al.	358	160	
AJ	4,837,817	06-06-89	Takashi Maemori	358	224	
AK	4,856,045	08-08-89	Yuichiro Hoshina	379	53	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
AL	0 172 473 A2	Feb-26-86	Europe			
AM	0 344 881 A2	Dec-06-89	Europe			
AN	0 352 914 A2	Jan-31-90	Europe			
AO	0 424 880 A2	May-02-91	Europe			
AP	0 438 362 A1	Jul-24-91	Europe			
AQ	0 464 011 A1	Jan-02-92	Europe			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	"Hand-held Videophone," Popular Science (1992, February)
AS	"VideoPhone price cut to \$1,000," USA TODAY (1993, January 2)
AT	"SA620 Integrated Front-End," Philips Electronics North America Corp. (1993)

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FORM PTO-1449  
(REV. 7-80)ATTY. DOCKET NO.  
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## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA2	4,856,088	08-08-89	Oliwa et al.	455	349	
	AB2	4,873,576	10-10-89	Hattori et al.	358	224	
	AC2	4,916,441	04-10-90	Peter P. Gombrich	340	712	
	AD2	4,928,300	05-22-90	Ogawa et al.	379	53	
	AE2	4,934,773	06-19-90	Allen Becker	350	6.6	
	AF2	4,959,642	09-25-90	Kenneth R. Sharples	340	716	
	AG2	4,977,456	12-11-90	Yoshikiyo Furuya	358	213.13	
	AH2	5,003,300	03-26-91	Benjamin A. Wells	340	705	
	AI2	5,008,658	04-16-91	Russay et al.	340	784	
	AJ2	5,008,788	04-16-91	John M. Palinkas	362	231	
	AK2	5,023,931	06-11-91	Streck et al.	455	21	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL2	0 472 361 A2	Feb-26-92	Europe			
	AM2	0 491 639 A1	Jun-24-92	Europe			X
	AN2	0 526 802 A2	Feb-10-93	Europe			X
	AO2	0 535 401 A1	Apr-07-93	Europe			
	AP2	0 539 699 A2	May-05-93	Europe			
	AQ2	0 539 907 A3	May-05-93	Europe			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR2	Kummerow, T., Meurer, W., "Bildtelefon - ein Kommunikationsdienst im ISDN ab 1991," Telenorma Nachrichten, Telenorma Bosch Gruppe 1989 Heft 93, pp. 52, 53, index and cover page
	AS2	Linder, Ben, "A whole lot smarter," Telephony, pp. 22, 23, 26, 28 and cover (May 19, 1997)
	AT	

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
AA3	5,042,918	08-27-91	Kouji Suzuki	359	59	
AB3	5,048,077	09-10-91	Wells et al.	379	96	
AC3	5,077,784	12-31-91	Fujita et al.	379	53	
AD3	5,079,627	01-07-92	Andrew Filo	358	85	
AE3	5,106,179	04-21-92	Kamaya et al.	351	158	
AF3	5,111,498	05-05-92	Guichard et al.	379	53	
AG3	5,122,880	06-16-92	Masatoshi Nagano	358	209	
AH3	5,132,825	07-21-92	Shunichi Miyadera	359	85	
AI3	5,138,312	08-11-92	Tsukamoto et al.	340	825.44	
AJ3	5,162,828	11-10-92	Furness et al.	353	122	
AK3	5,164,833	11-17-92	Tetsushi Aoki	358	224	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
AL3 0 547 493 A1	Jun-23-93	Europe			
AM3 0 551 781 A1	Jul-21-93	Europe			
AN3 0 626 773 A1	Nov-30-94	Europe			X
AO3 EP 0 626 773 B1	Nov-30-94	Europe			X
AP3 0 689 350 A2	Dec-27-95	Europe			
AQ3 EP 0 732 606 A2	Sep-18-96	Europe			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	PATENT & TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA4	5,164,980	11-17-92	Bush et al.	379	53	
	AB4	5,185,712	02-09-93	Sato et al.	358	224	
	AC4	5,189,632	02-23-93	Paaanen et al.	364	705.05	
	AD4	5,206,749	04-27-93	Zavracky et al.	359	59	
	AE4	5,220,366	06-15-93	Jack N. King	354	76	
	AF4	5,224,198	06-29-93	Jachimowicz et al.	385	133	
	AG4	5,256,562	10-26-93	Vu et al.	437	86	
	AH4	5,258,325	11-02-93	Spitzer et al.	437	86	
	AI4	5,260,625	11-09-93	Holden et al.	313	486	
	AJ4	5,281,957	01-25-94	Arnold Schoolman	345	8	
	AK4	5,300,788	04-05-94	Fan et al.	257	13	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL4	92/12453	Jul-23-92	WO		
	AM4	93/01583	Jan-21-93	WO		
	AN4	93/16550	Aug-19-93	WO		
	AO4	93/18428	Sep-16-93	WO		
	AP4	93/23783	Nov-25-93	WO		
	AQ4	94/01958	Jan-20-94	WO		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
AA5	5,300,976	04-05-94	Lim et al.	354	219	
AB5	5,305,244	04-19-94	Newman et al.	364	708.1	
AC5	5,311,206	05-10-94	Terence J. Nelson	345	89	
AD5	5,317,236	05-31-94	Zavracky et al.	315	169.3	
AE5	5,321,416	06-14-94	Bassett et al.	345	8	
AF5	5,325,429	06-28-94	Jeffery F. Kurgan	379	429	
AG5	5,335,276	08-02-94	Thompson et al.	380	21	
AH5	5,347,378	09-13-94	Handschy et al.	359	53	
AI5	5,347,400	09-13-94	Ken Hunter	359	815	
AJ5	5,362,671	11-08-94	Zavracky et al.	437	81	
AK5	5,371,493	12-6-94	Sharpe et al.	340	825.34	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
AL5 94/09398	Apr-28-94	WO			
AM5 94/11775	May-26-94	WO			X
AN5 94/14152	Jun-23-94	WO			
AO5 95/11473	Apr-27-95	WO			
AP5 95/25983	Sep-28-95	WO			
AQ5 95/26110	Sep-28-95	WO			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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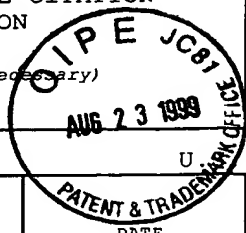
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FORM PTO-1449 (REV. 7-80)				ATTY. DOCKET NO. KPN96-03A		SERIAL NO. 08/766,607	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION				APPLICANT Jacobsen et al.			
(Use several sheets if necessary)				FILING DATE December 13, 1996		GROUP 2609	
U.S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER		NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA6	5,376,979	12-27-94	Zavracky et al.	353	122	
	AB6	5,381,179	01-10-95	Kazunori Kashimura	348	376	
	AC6	5,404,580	04-04-95	Simpson et al.	455	89	
	AD6	5,412,396	05-02-95	Terence J. Nelson	345	89	
	AE6	5,422,656	06-06-95	Allard et al.	345	173	
	AF6	5,444,557	08-22-95	Spitzer et al.	359	59	
	AG6	5,469,278	11-21-95	Takahara et al.	359	51	
	AH6	5,483,285	01-09-96	Lim et al.	348	341	
	AI6	5,485,318	01-16-96	Lebby et al.	359	811	
	AJ6	5,485,504	01-16-96	Horst Ohnsorge	379	58	
	AK6	5,486,708	01-23-96	Takahashi et al.	257	59	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL6	96/19794	Jun-27-96	WO			
	AM6	96/21173	Jul-11-96	WO			
	AN6	96/21205	Jul-11-96	WO			
	AO6	96/35288	Nov-07-96	WO			X
	AP6	97/01240	Jan-09-97	WO			
	AQ6	2,123,461	Nov-15-94	Canada			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
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EXAMINER				DATE CONSIDERED			

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December 13, 1996GROUP  
2609

## U PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA7	5,515,424	05-07-96	Brian Kenney	379	96	
	AB7	5,528,285	06-18-96	Morikawa et al.	348	14	
	AC7	5,541,640	07-30-96	Craig R. Larson	348	19	
	AD7	5,548,271	08-20-96	Tsuchiyama et al.	340	311.1	
	AE7	5,549,747	08-27-96	Bozler et al.	117	43	
	AF7	5,561,538	10-01-96	Kato et al.	359	40	
	AG7	5,584,070	12-10-96	Harris et al.	455	346	
	AH7	5,585,948	12-17-96	Michael G. Petera	349	143	
	AI7	5,596,451	01-21-97	Handschy et al.	359	633	
	AJ7	5,608,553	03-04-97	Kyung-sik Kim	349	61	
	AK7	5,642,129	06-24-97	Zavracky et al.	345	100	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL7	27 15 446	Oct-12-78	Germany			X
	AM7	DE 38 28 485 A1	Mar-01-90	Germany			X
	AN7	G 92 00 683.3	Jun-06-92	Germany			X
	AO7	28 20 096	Nov-15-79	Germany			X
	AP7	2 242 335 A	Sep-25-91	UK			
	AQ7	2,612,351	Sep-16-88	France			X

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

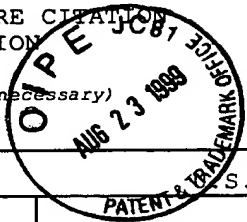
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## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA8	5,646,432	07-08-97	Iwaki et al.	257	347	
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## FOREIGN PATENT DOCUMENTS

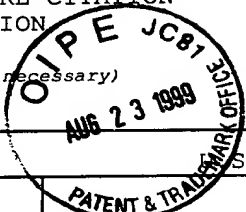
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL8	63-151283	Jun-23-88	Japan			X
	AM8	3-53785	Mar-07-91	Japan			X
	AN8	62-91045	Apr-25-87	Japan			X
	AO8	2-218251	Aug-30-90	Japan			X
	AP8	3-136487	Jun-11-91	Japan			X
	AQ8	5-14550	Jan-22-93	Japan			X

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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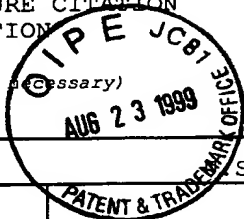
EXAMINER

DATE CONSIDERED

FORM PTO-1449 (REV. 7-80) <b>INFORMATION DISCLOSURE CITATION          IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO. <b>KPN96-03A</b>		SERIAL NO. <b>08/766,607</b>	
				APPLICANT <b>Jacobsen et al.</b>		FILING DATE <b>December 13, 1996</b>	
				GROUP <b>2609</b>			
<b>U.S. PATENT DOCUMENTS</b>							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA						
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<b>FOREIGN PATENT DOCUMENTS</b>							
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	AL9	7-177398	Jul-14-95	Japan			X
	AM9	2-196570	Aug-03-90	Japan			X
	AN9	8-129157	May-21-96	Japan			X
	AO9	8-149346	Jun-07-96	Japan			X
	AP9	9-55872	Feb-25-97	Japan			X
	AQ9	9-26617	Jan-28-97	Japan			X
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
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EXAMINER				DATE CONSIDERED			

FORM PTO-1449  
(REV. 7-80)INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

ATTY. DOCKET NO.  
KPN96-03ASERIAL NO.  
08/766,607APPLICANT  
Jacobsen et al.FILING DATE  
December 13, 1996GROUP  
2609

## S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
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## FOREIGN PATENT DOCUMENTS

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	AL10	8-76078	Mar-22-96	Japan			X	
	AM10	8-340546	Dec-24-96	Japan			X	
	AN10	8-154190	Jun-11-96	Japan			X	
	AO10	8-95027	Apr-12-96	Japan			X	
	AP10	61-139177	Jun-26-86	Japan			X	
	AQ10	8-102877	Apr-16-96	Japan			X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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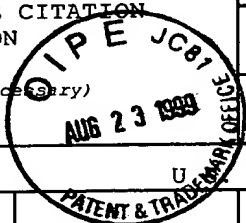
EXAMINER

DATE CONSIDERED



FORM PTO-1449  
(REV. 7-80)INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

ATTY. DOCKET NO.  
KPN96-03ASERIAL NO.  
08/766,607APPLICANT  
Jacobsen et al.FILING DATE  
December 13, 1996GROUP  
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## PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA						
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## FOREIGN PATENT DOCUMENTS

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	AL11	8-248499	Sep-27-96	Japan			X
	AM11	8-114783	May-07-96	Japan			X
	AN11	8-149485	Jun-07-96	Japan			X
	AO11	5-252523	Sep-28-93	Japan			X
	AP11	1-160286	Jun-23-89	Japan			X
	AQ11	2-113656	Apr-25-90	Japan			X

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED

FORM PTO-1449  
(REV. 7-80)INFORMATION DISCLOSURE CITATION  
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(Use several sheets if necessary)

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## U.S. PATENT DOCUMENTS

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	AA						
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## FOREIGN PATENT DOCUMENTS

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	AL12	7-235892	Sep-05-95	Japan			X
	AM12	3-105383	May-02-91	Japan			X
	AN12	6-123852	May-06-94	Japan			X
	AO						
	AP						
	AQ						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED



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TOH/RIB/mgt

Docket No.: KPN96-03A

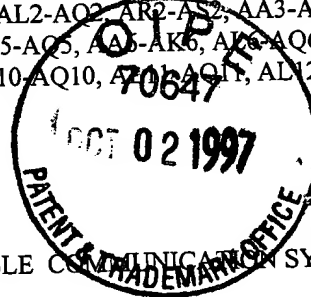
9-26-97

This will acknowledge receipt of:

Information Disclosure Statement (2 copies) with a Form PTO-1449 (12 sheets) with cited Refs. AA-AK, AL-AQ, AR-AT, AA2-AK2, AL2-AQ2, AR2-AS2, AA3-AK3, AL3-AQ3, AA4-AK4, AL4-AQ4, AA5-AK5, AL5-AQ5, AA6-AK6, AL6-AQ6, AA7-AK7, AL7-AQ7, AA8, AL8-AQ8, AL9-AQ9, AL10-AQ10, AL11-AQ11, AL12-AN12; Certificate of Mailing.

Applicants: Jacobsen et al.  
Serial No.: 08/766,607  
Filed: December 13, 1996  
Title: MICRODISPLAY FOR PORTABLE COMMUNICATION SYSTEMS

Date Received in the PTO:



K:\RBRUTTOM\RIB11\KPN96-03A.SIL  
RIB/bs  
July 29, 1998

PATENT APPLICATION  
DOCKET NO.: KPN96-03A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

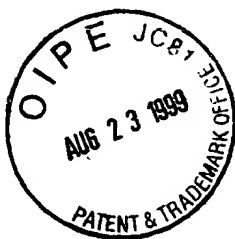
Applicants: Jeffrey Jacobsen, John C. C. Fan, Stephen A. Pombo, Matthew Zavracky and Rodney Bumgardner

Application No.: 08/766,607

Group Art Unit: 2609

Filed: December 13, 1996

Title: MICRODISPLAY FOR PORTABLE COMMUNICATION SYSTEM



CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231	
on 8-20-98	<u>Bethany Slack</u>
Date	Signature
<u>Bethany Slack</u>	
Typed or printed name of person signing certificate	

**COPY**

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of the national stage in international application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$240.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a Petition under 37 CFR 1.97(d)(2), and
- ☐ a \$130.00 petition fee set forth in 37 CFR 1.17(i).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)
- ☐ Applicant requests that the attached IDS and cited reference(s) \_\_\_\_\_ be placed in the application filewrapper.  
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Enclosed herewith is form PTO-1449:

- ☒ Copies of the cited references are enclosed.
- ☐ Copies of cited references are enclosed except those entered in prior application, U.S. Serial No. \_\_\_\_\_, and references that are not required to be submitted under 37 CFR 1.98.
- ☒ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.

Concise Explanation Requirement (non-English references):

- ☐ The "concise explanation" requirement for reference(s) under 37 CFR 1.98 (a) (3) is satisfied by the enclosed English language abstract.
- ☐ The "concise explanation" requirement for references(s) under 37 CFR 1.98 (a) (3) is satisfied by the following explanation:

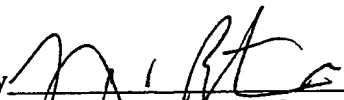
It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ Enclosed is a check in the amount of \$ \_\_\_\_\_.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$ \_\_\_\_\_.
- ☐ A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By   
Raymond I. Bruttomesso, Jr.  
Registration No.: 33,840  
Telephone: (781) 861-6240  
Facsimile: (781) 861-9540

Lexington, Massachusetts 02421-4799

Dated: 20 August 1998

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
KPN96-03AAPPLICATION NO.  
08/766,607INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

APPLICANT  
Jeffrey Jacobsen, et al.FILING DATE  
December 13, 1996GROUP  
2609

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
AA						
JP	AB8 5,486,946	01-23-96	Jachimowicz, et al.	359	263	
JP	AC8 5,539,554	07-23-96	Lebby, et al.	359	83	
AD						
AE						
AF						
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AJ						
AK						

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
AL						
AM						
AN						
JP	AO12 2 289 555	17-MAY-95	United Kingdom			
JP	AP12 2 308 486	21-DEC-95	United Kingdom			
AQ						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

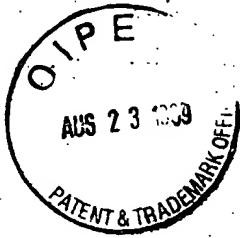
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EXAMINER

Jeff Piziali

DATE CONSIDERED

11-3-99



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RIB/bs

KPN96-03A

08-20-98

This is to acknowledge receipt of the following documents each filed under Certificate of Mailing Procedure 37 C.F.R. 1.8;

"Supplemental  
XX INFORMATION DISCLOSURE STATEMENT  
XX Form PTO-1449 pp 1 with references as cited in IDS  
(AB8, AC8, A012, AP12)

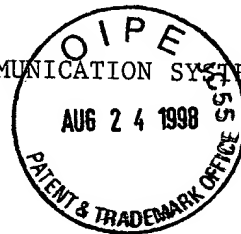
Applicants: Jeffrey Jacobsen, John C.C. Fan, Stephen A. Pombo,  
Matthew Zavracky and Rodney Bumgardner

Application No.: 08/766,607

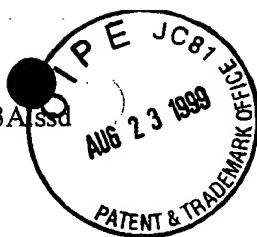
Filed: December 13, 1996

Title: MICRODISPLAY FOR PORTABLE COMMUNICATION SYSTEM

Date received by the PTO:



K:\THOOVER\KPN9603A\ssd  
TOH/bls  
December 31, 1998



PATENT APPLICATION  
DOCKET NO.: KPN96-03A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Jeffrey Jacobsen, John C. C. Fan, Stephen A. Pombo, Matthew Zavracky and Rodney Bumgardner

Application No.: 08/766,607

Group Art Unit: 2609

Filed: December 13, 1996

Title: MICRODISPLAY FOR PORTABLE COMMUNICATION SYSTEMS

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231	
on <u>01-07-99</u>	<u>Bethany Slack</u>
Date	Signature
_____ Bethany Slack	
Typed or printed name of person signing certificate	

**COPY**

SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of the national stage in international application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$240.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a Petition under 37 CFR 1.97(d)(2), and
- ☐ a \$130.00 petition fee set forth in 37 CFR 1.17(i).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)
- ☐ Applicant requests that the attached IDS and cited reference(s) \_\_\_\_\_ be placed in the application filewrapper.  
(Filed after payment of issue fee)



Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Enclosed herewith is form PTO-1449:

- ☒ Copies of the cited references are enclosed.
- ☐ Copies of cited references are enclosed except those entered in prior application, U.S. Serial No. \_\_\_\_\_, and references that are not required to be submitted under 37 CFR 1.98.
- ☒ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.

Concise Explanation Requirement (non-English references):

- ☐ The "concise explanation" requirement for reference(s) \_\_\_\_\_ under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
  - ☐ the explanation provided in the Specification.
  - ☐ submission of the enclosed International Search Report.
  - ☐ the enclosed English language abstract.

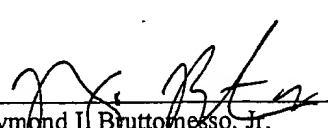
It is requested that the information disclosed herein be made of record in this application.

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Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By   
Raymond I. Bruttonesso, Jr.  
Registration No.: 33,840  
Telephone: (781) 861-6240  
Facsimile: (781) 861-9540

Lexington, Massachusetts 02421-4799

Dated: 7 JANUARY 1999

PTO-1449 REPRODUCED

ATTORNEY DOCKET  
KPN96-03AAPPLICATION NO.  
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IN AN APPLICATION

(See several sheets if necessary)

APPLICANT  
Jacobsen, et al.FILING DATE  
December 13, 1996GROUP  
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AA						
AB						
AC						
JP	AD8	5,088,806	02-18-92	McCartney, et al.	359	84
JP	AE8	5,467,215	11-14-95	Lebby, et al.	359	247
JP	AF8	5,550,754	08-27-96	McNelley, et al.	364	514 A
AG						
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AI						
AJ						
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## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
JP	AQ12	96/24197	08-AUG-96	PCT		
JP	AL13	0 631 289 A2/A3	28-DEC-94	EPO		
JP	AM13	0 704 788 A2	03-APR-96	EPO		
JP	AN13	0 817 393 A2	07-JAN-98	EPO		
AO						
AP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

Jeff Piziali

DATE CONSIDERED

11-3-99